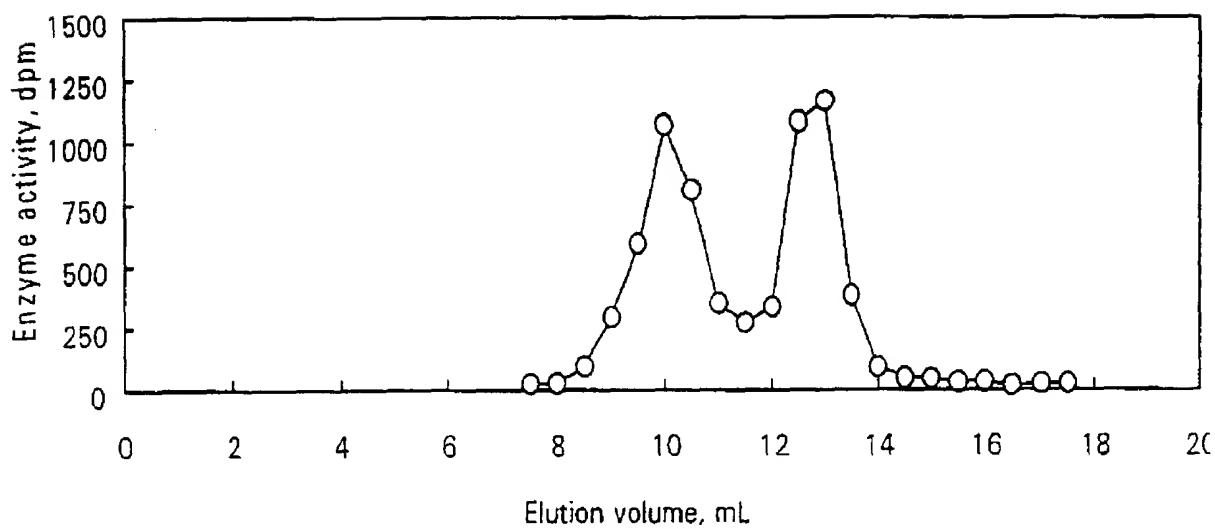


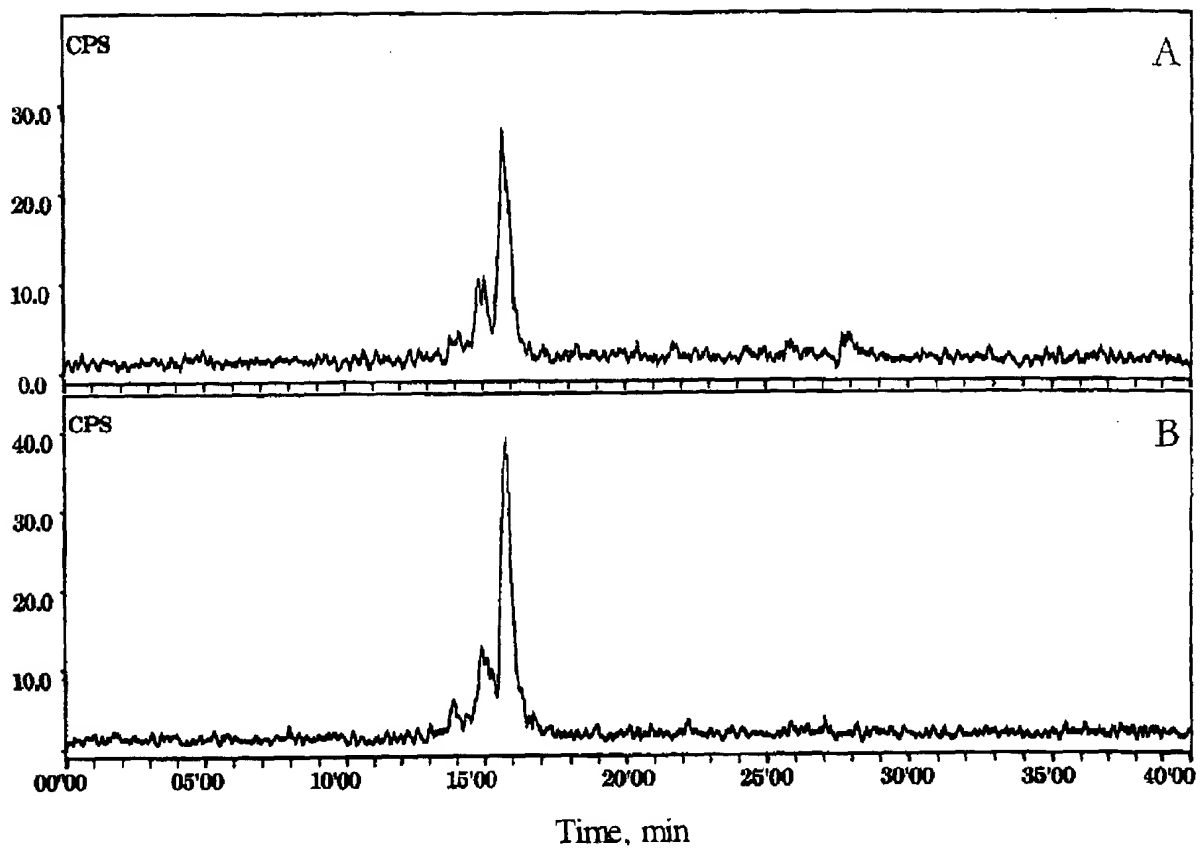
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Figure 1



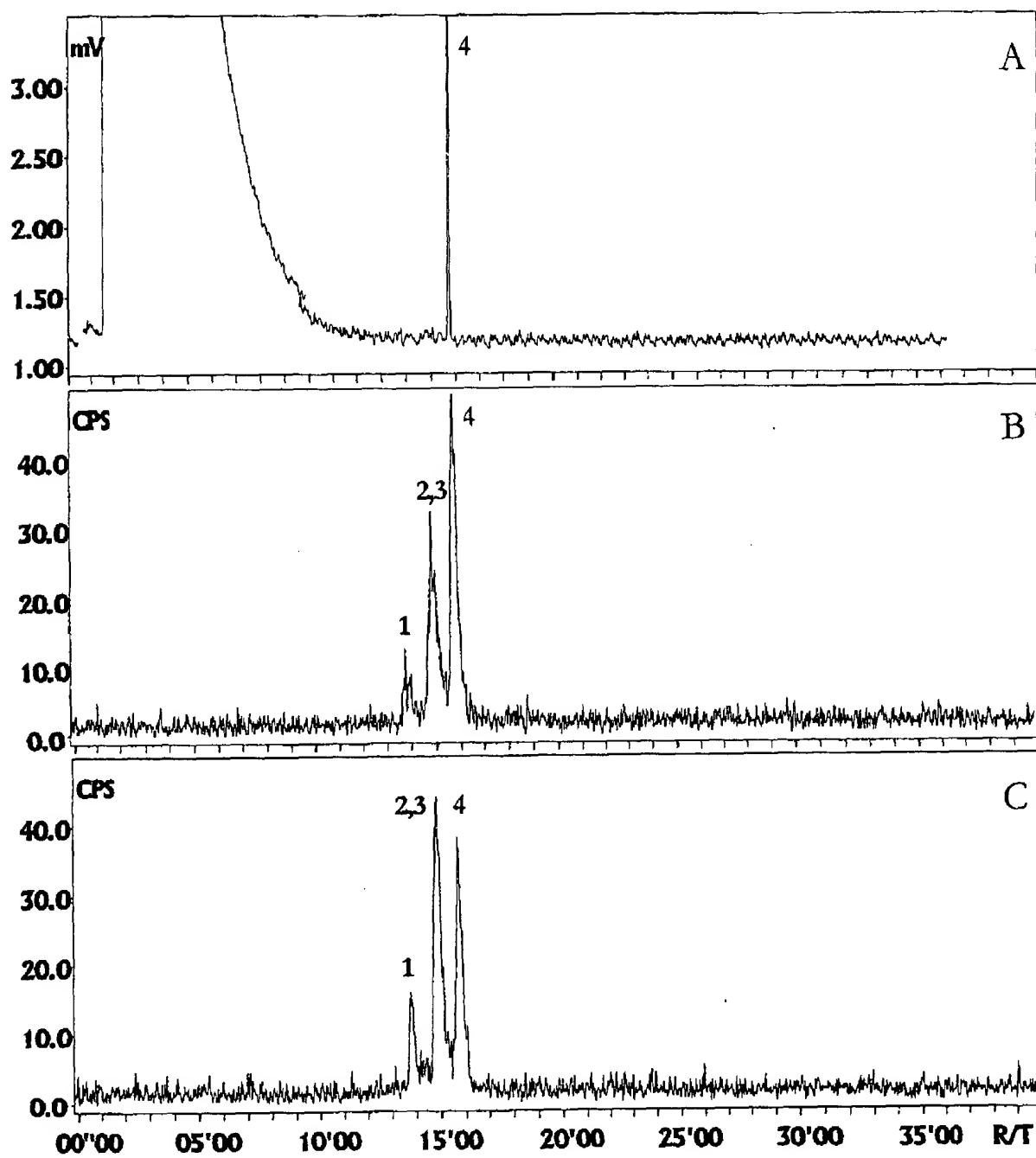
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Figure 2



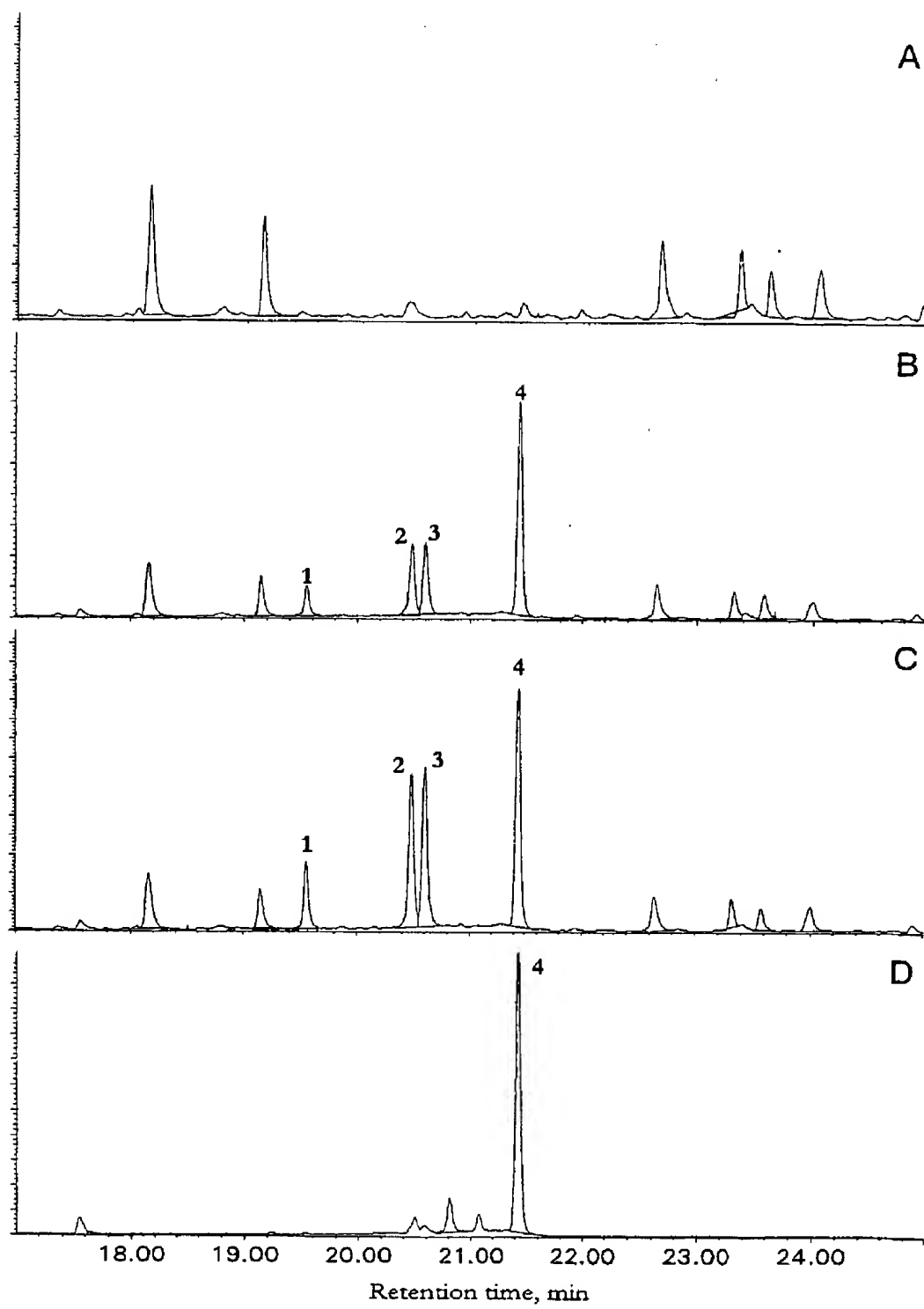
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Figure 3



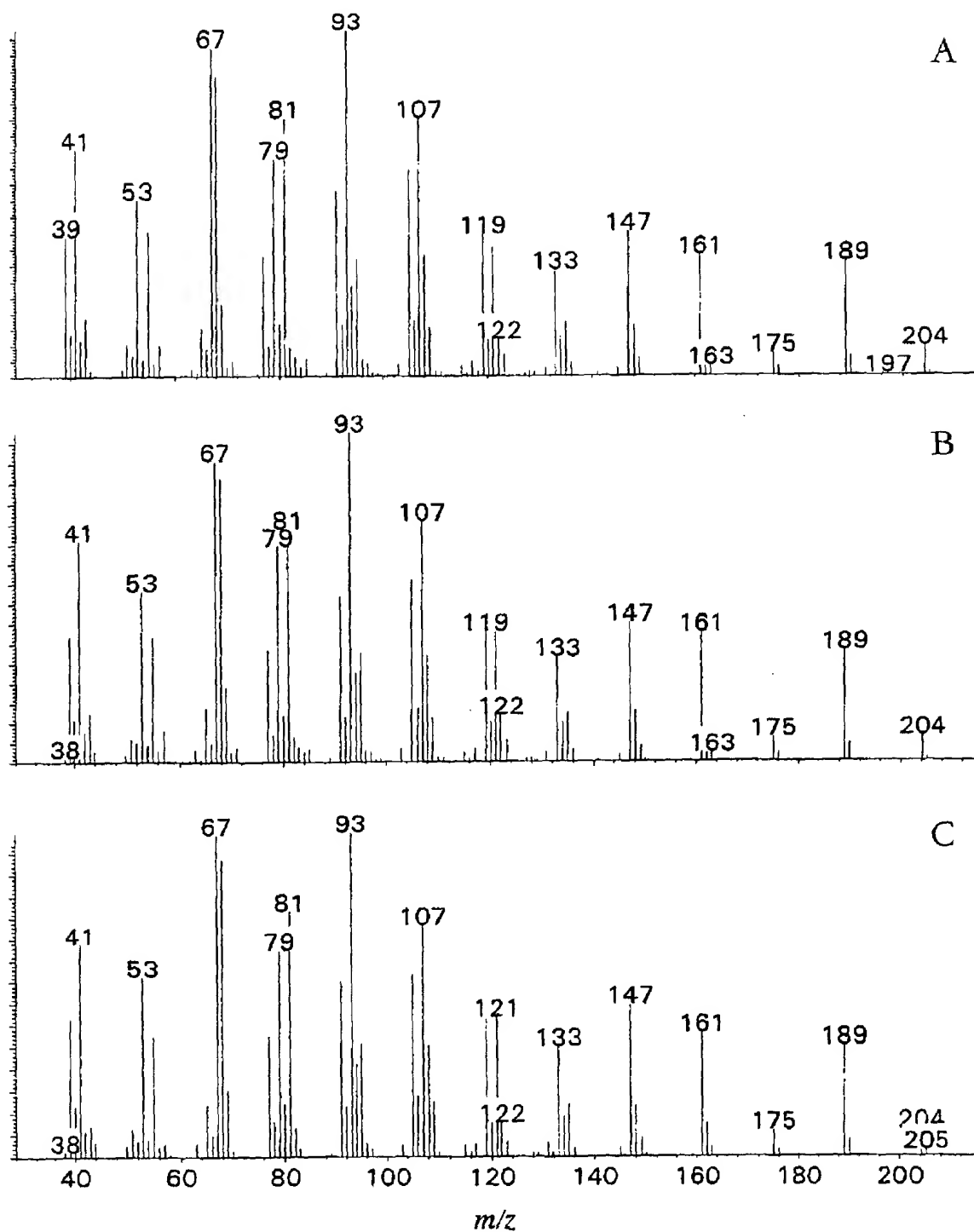
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Figure 4



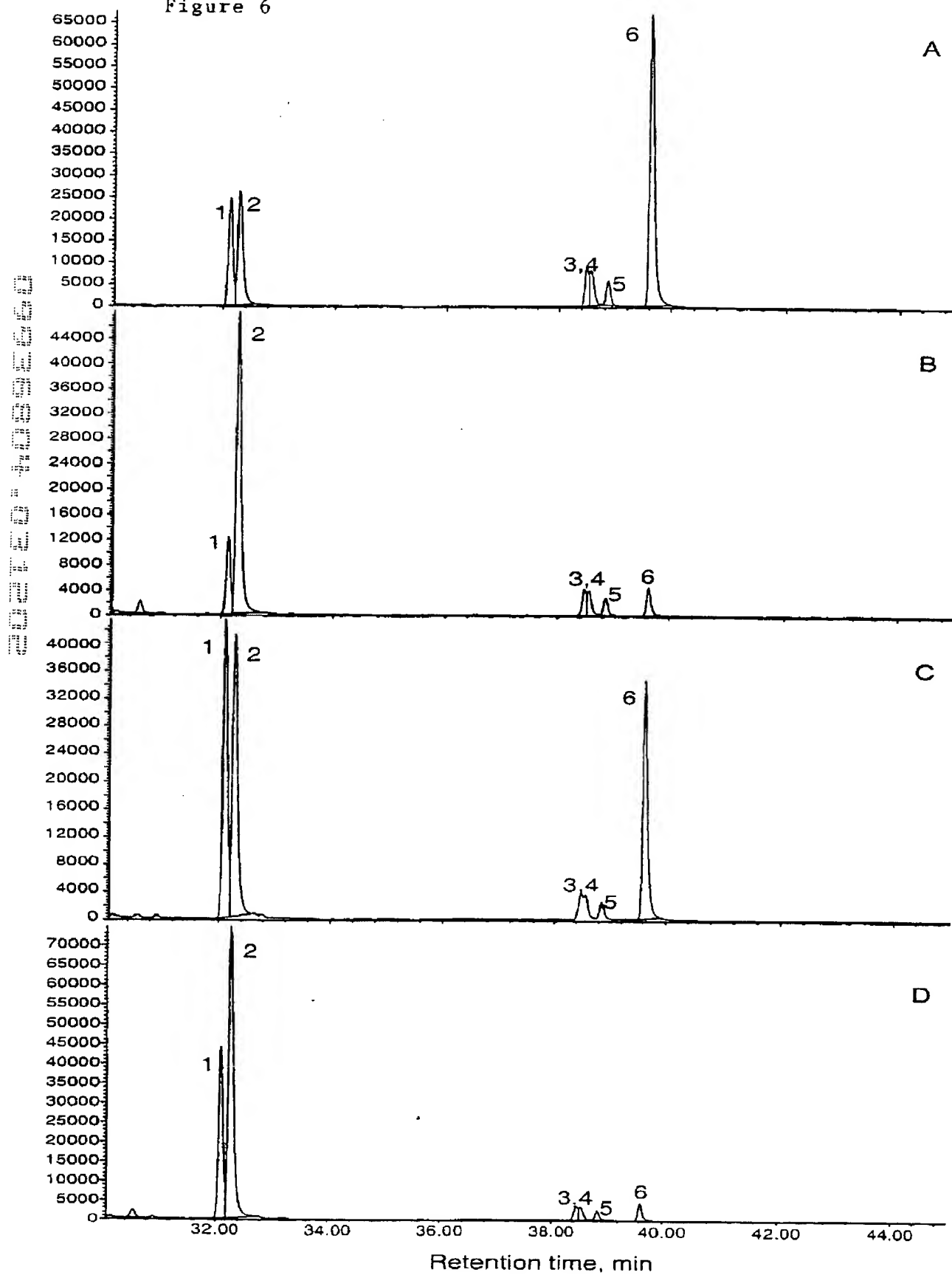
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Figure 5



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Figure 6



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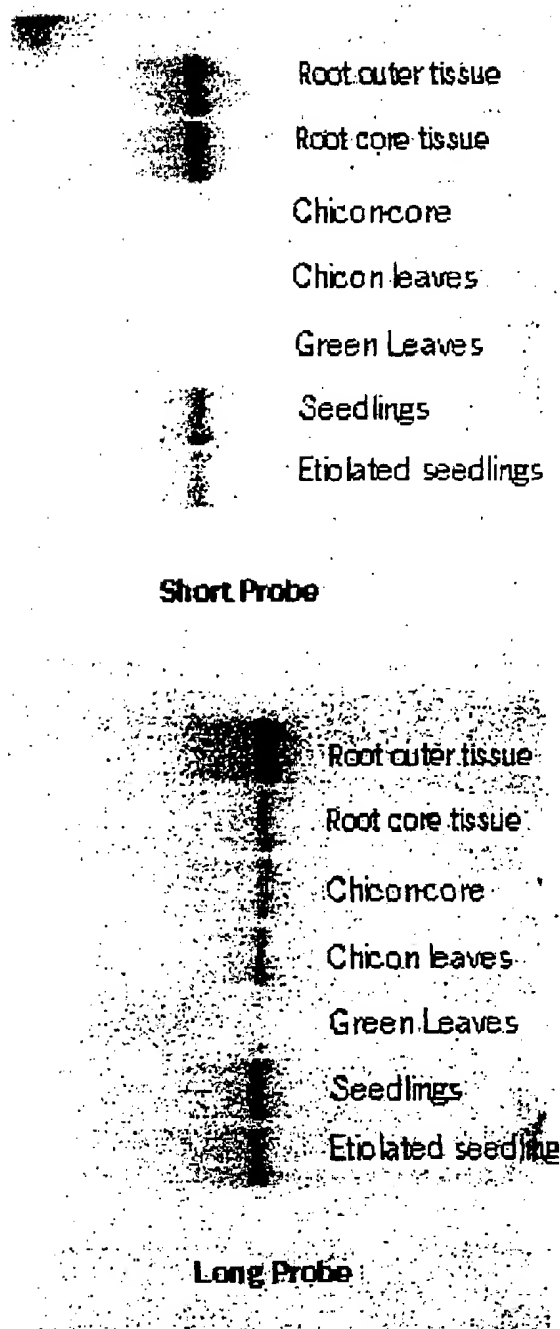


Figure 7 (a)

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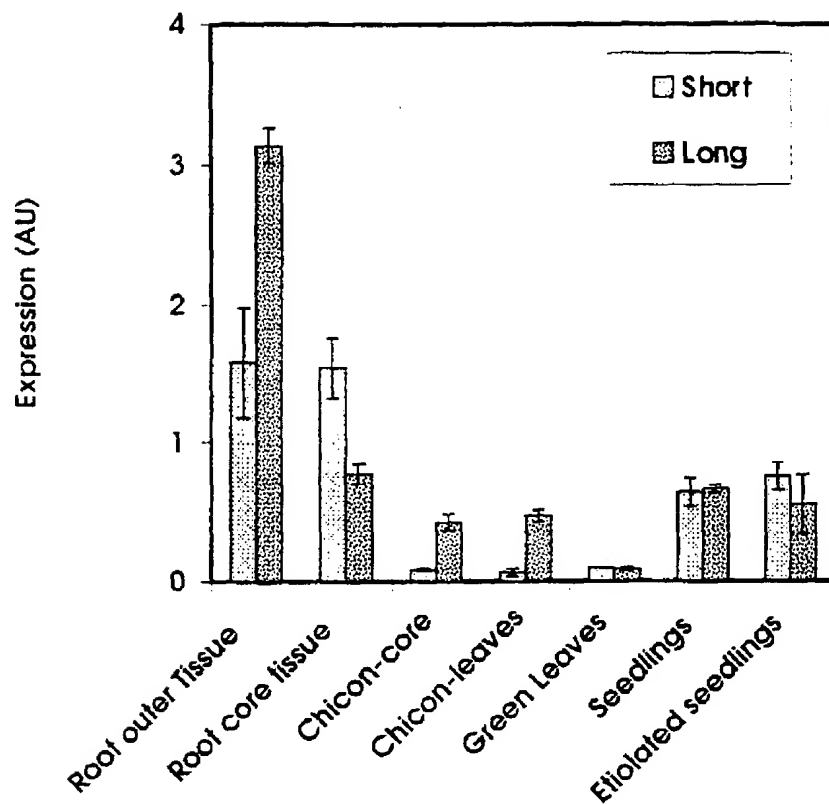
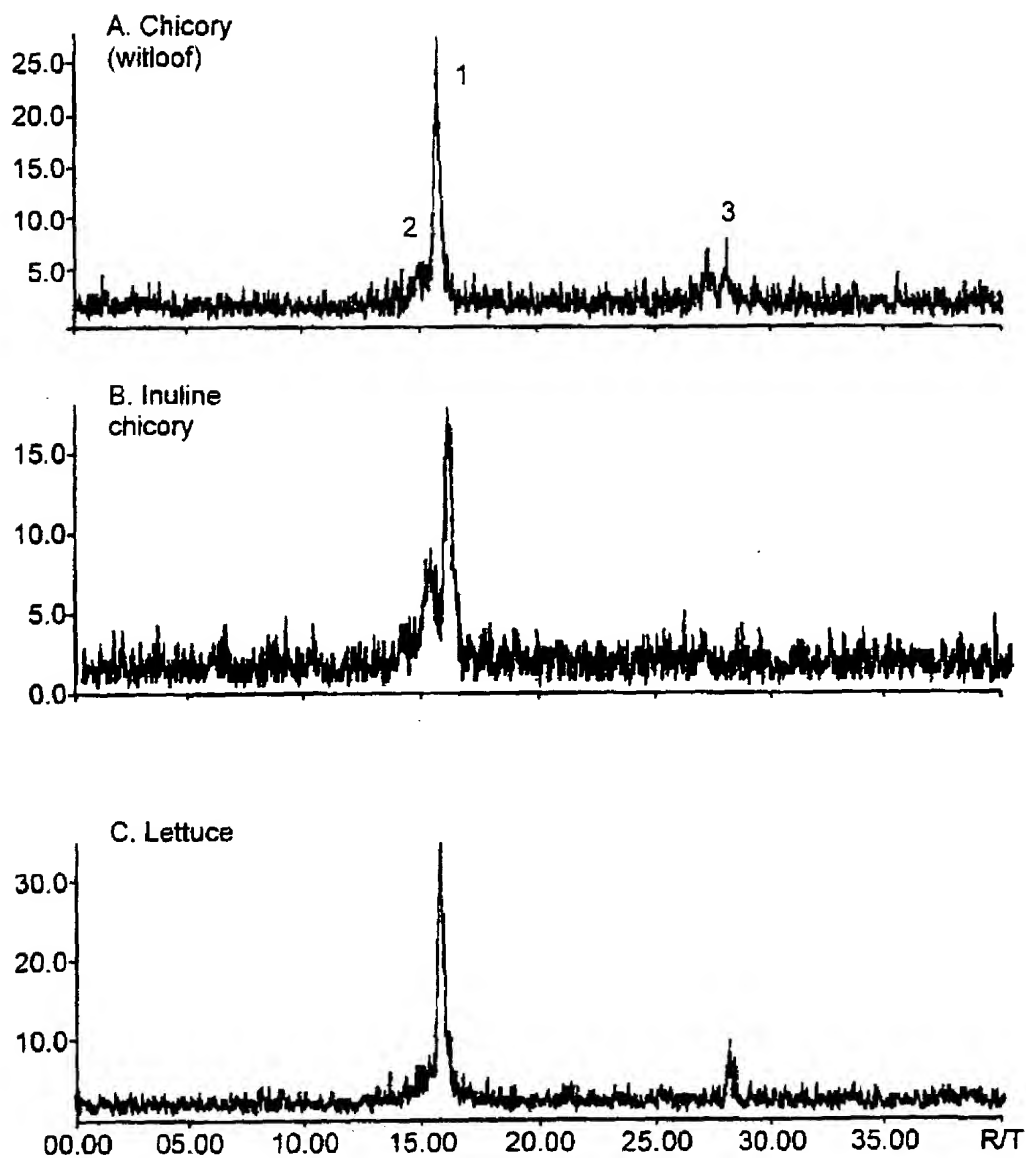


Figure 7 (b)

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Figur 8 part 1

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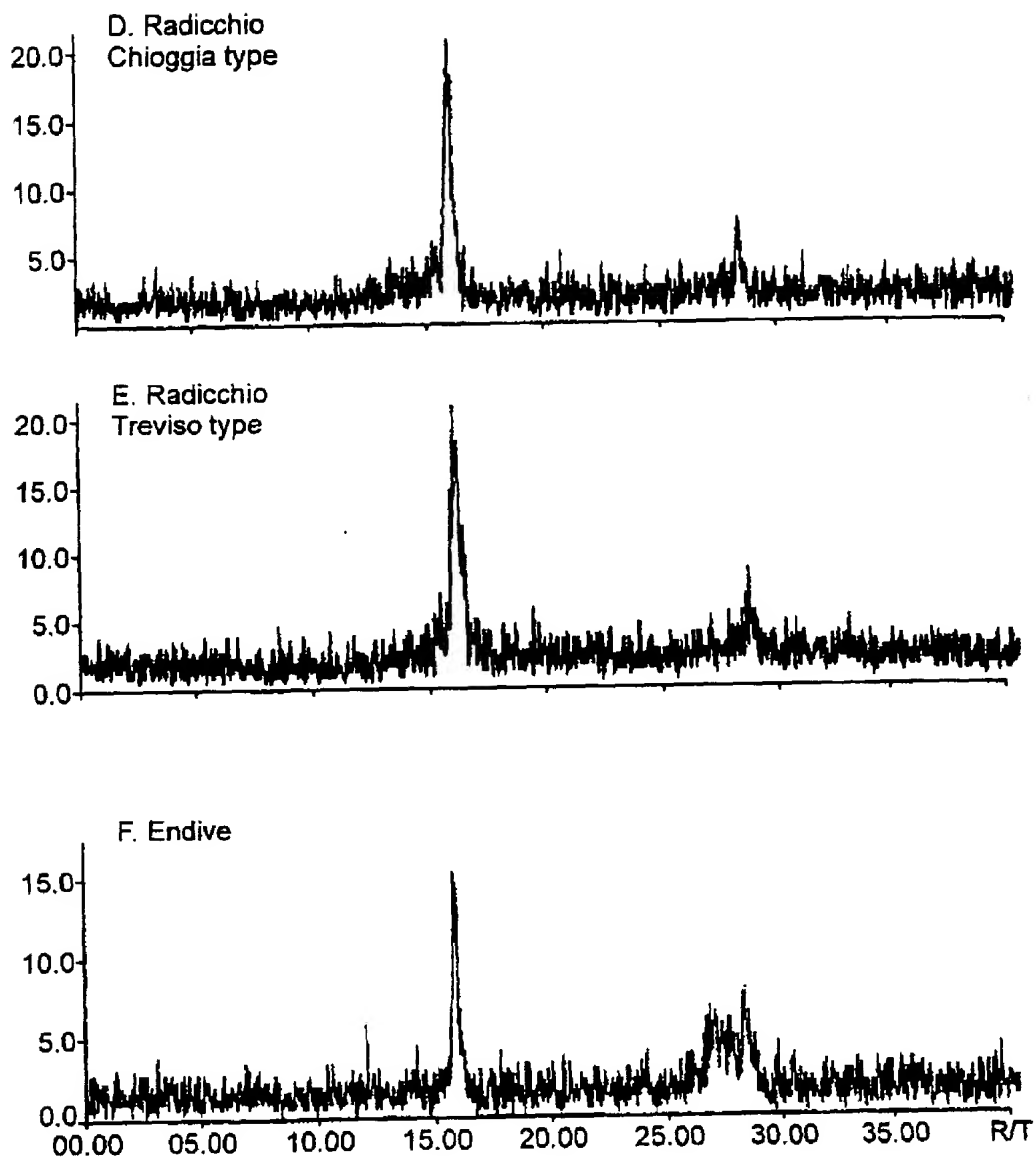


Figure 8 part 2

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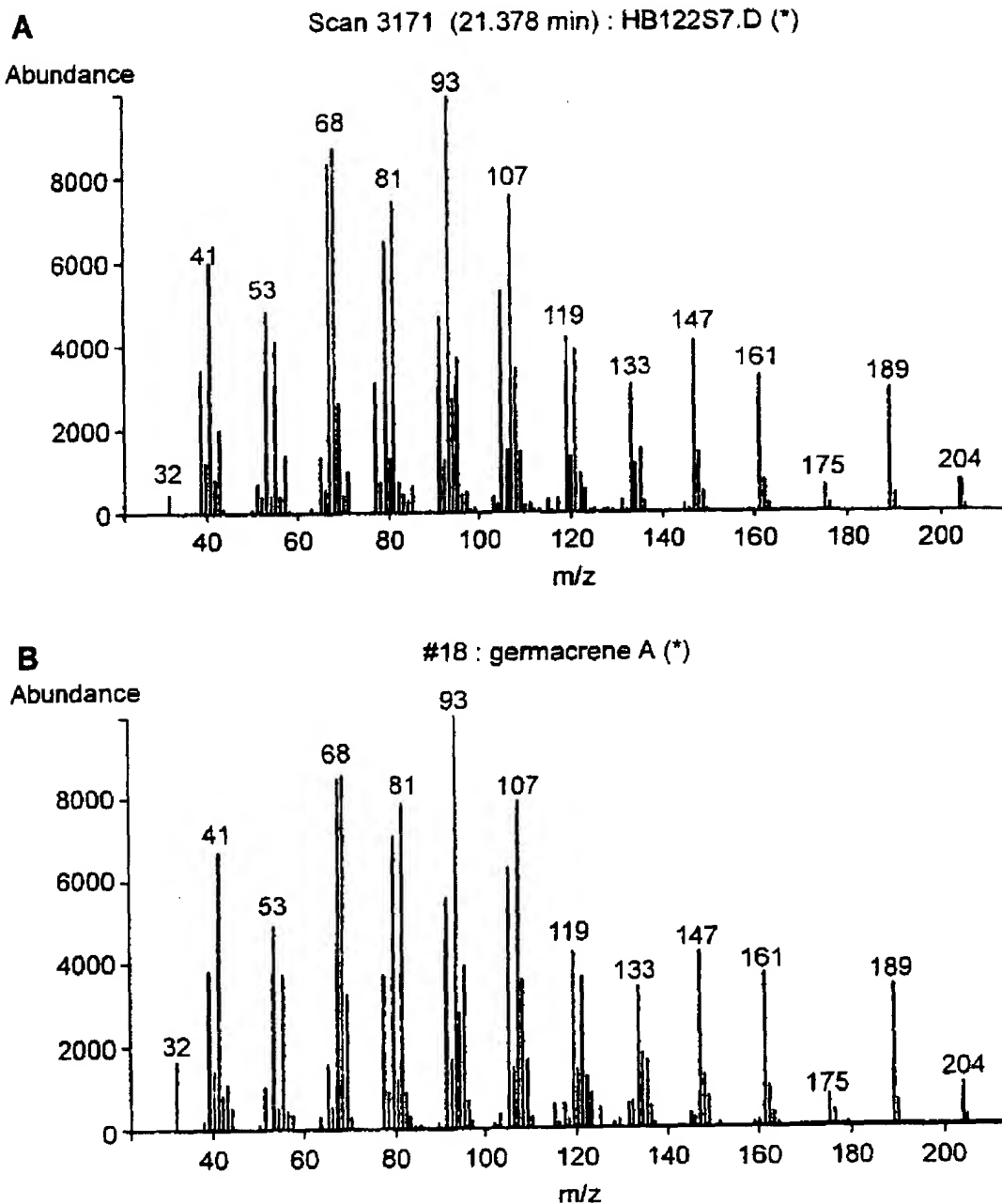
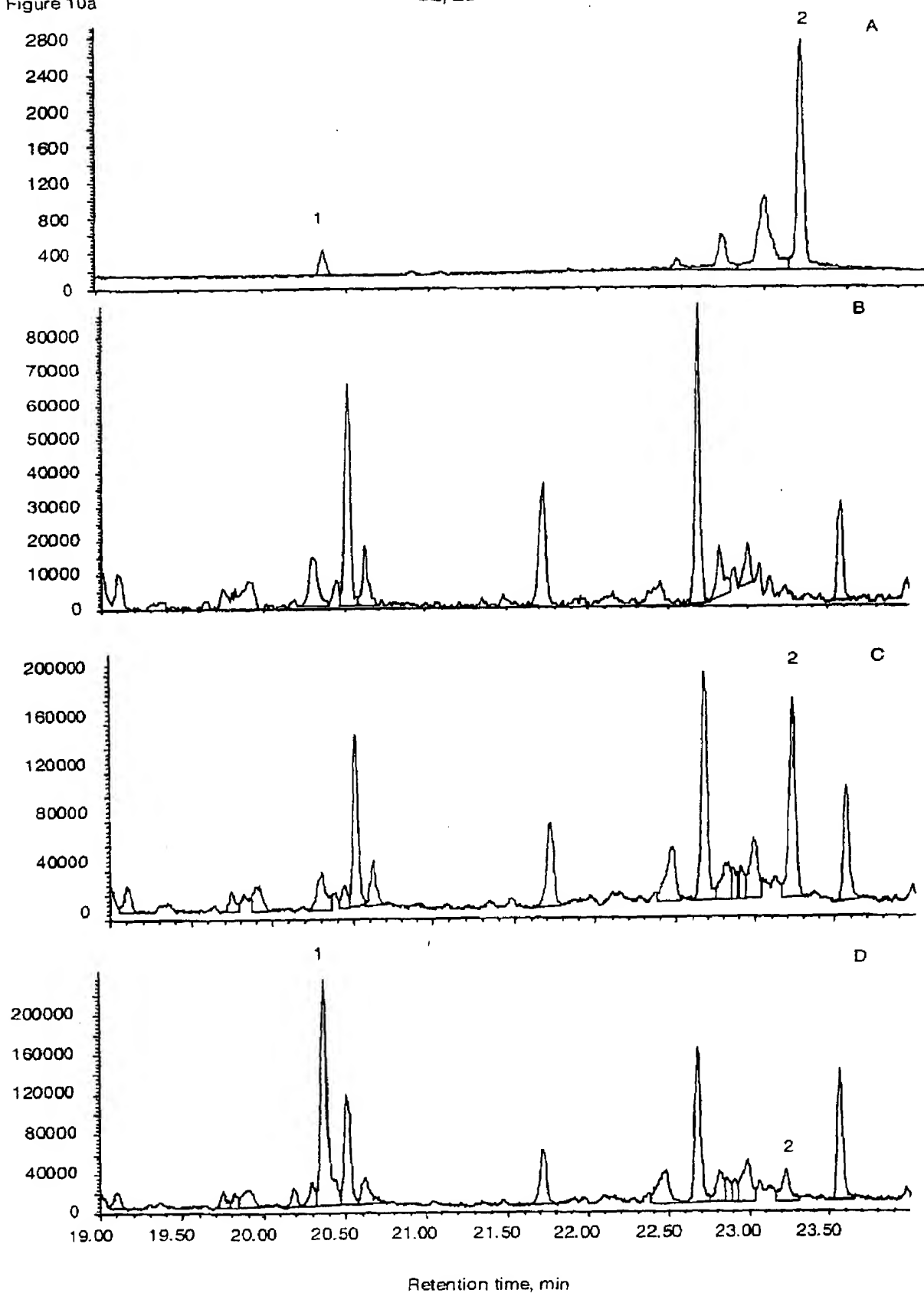


Figure 9

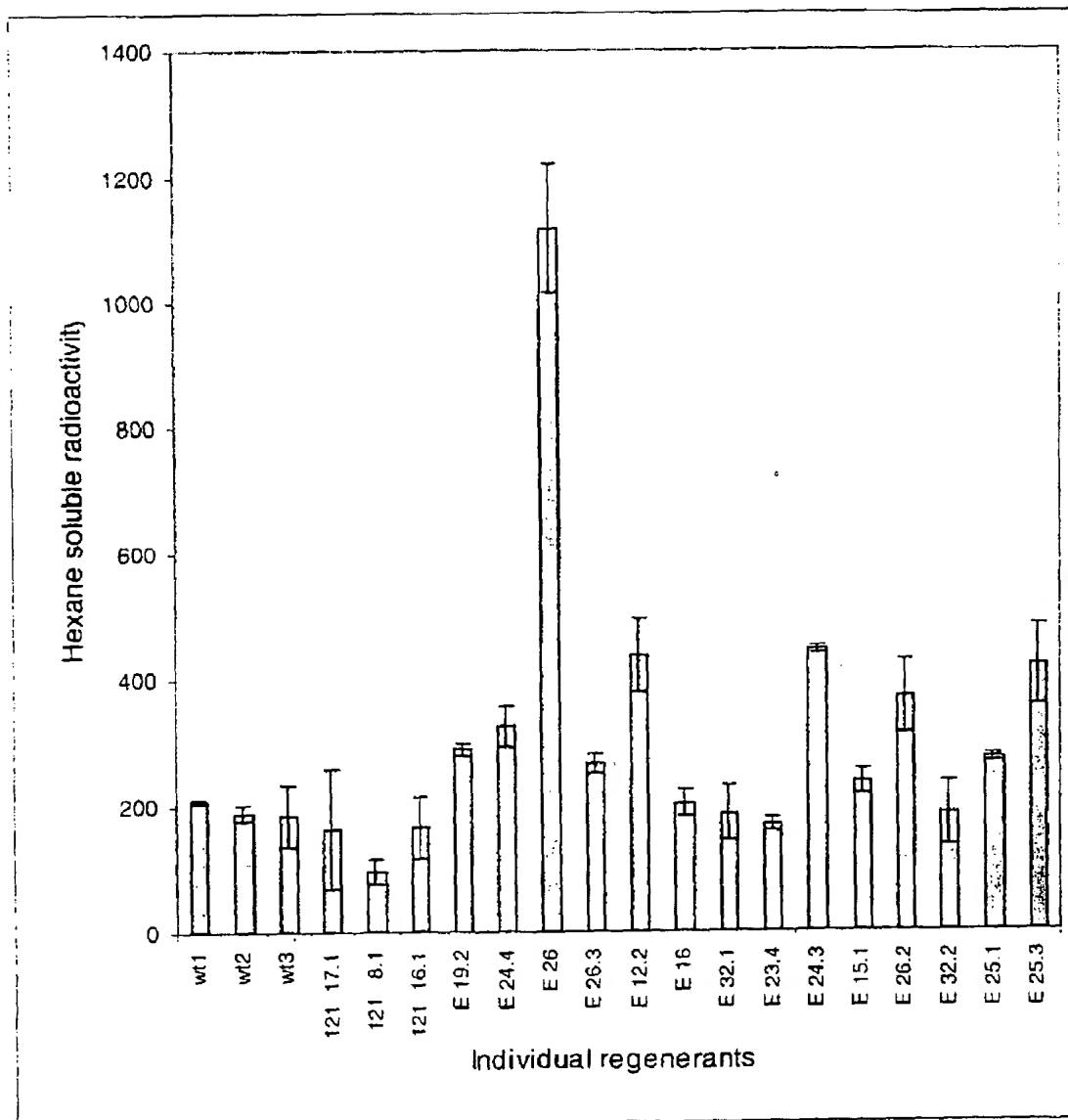
Figure 10a

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Figure 10 (b)



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Figure 10 (c)

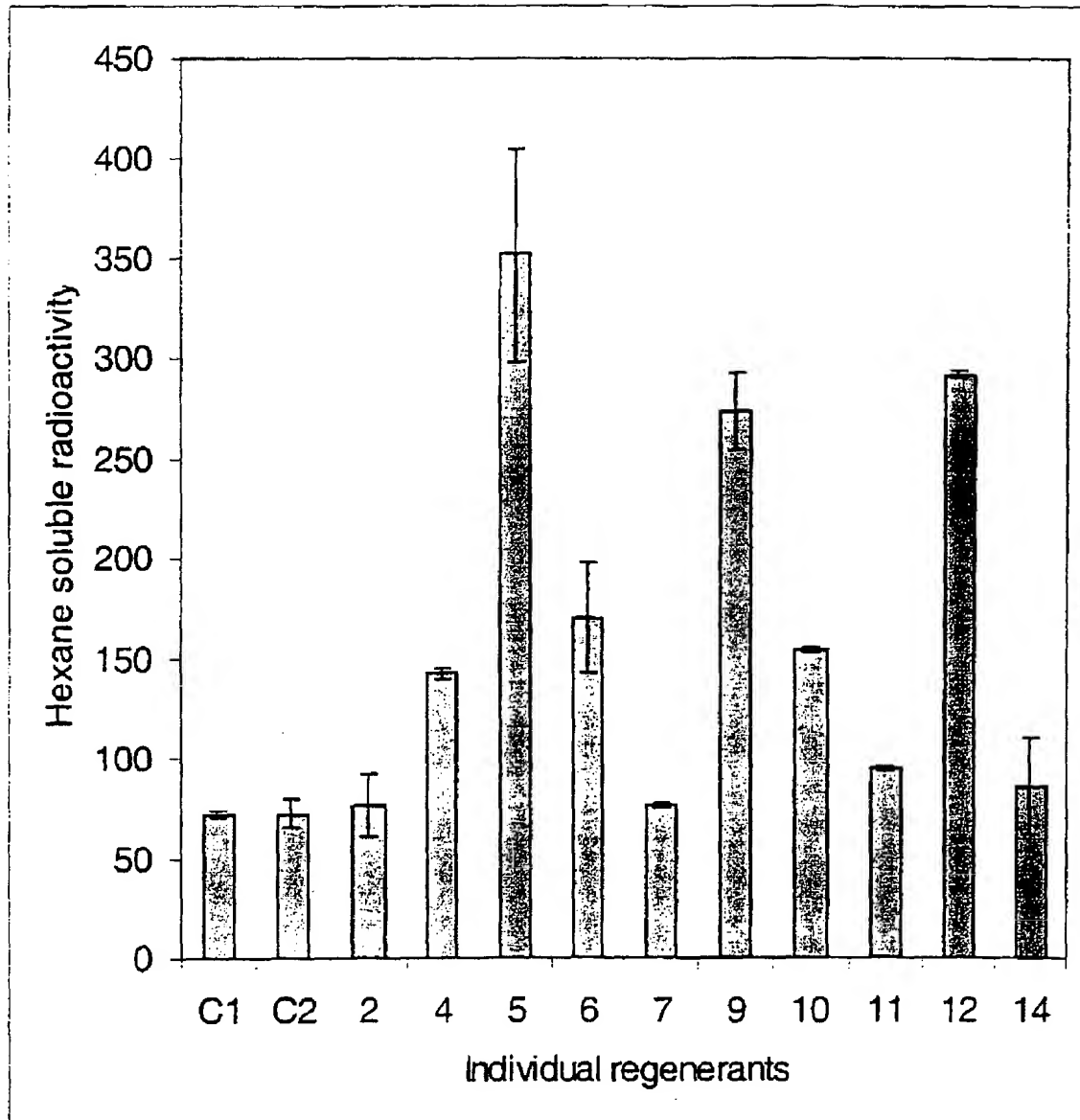
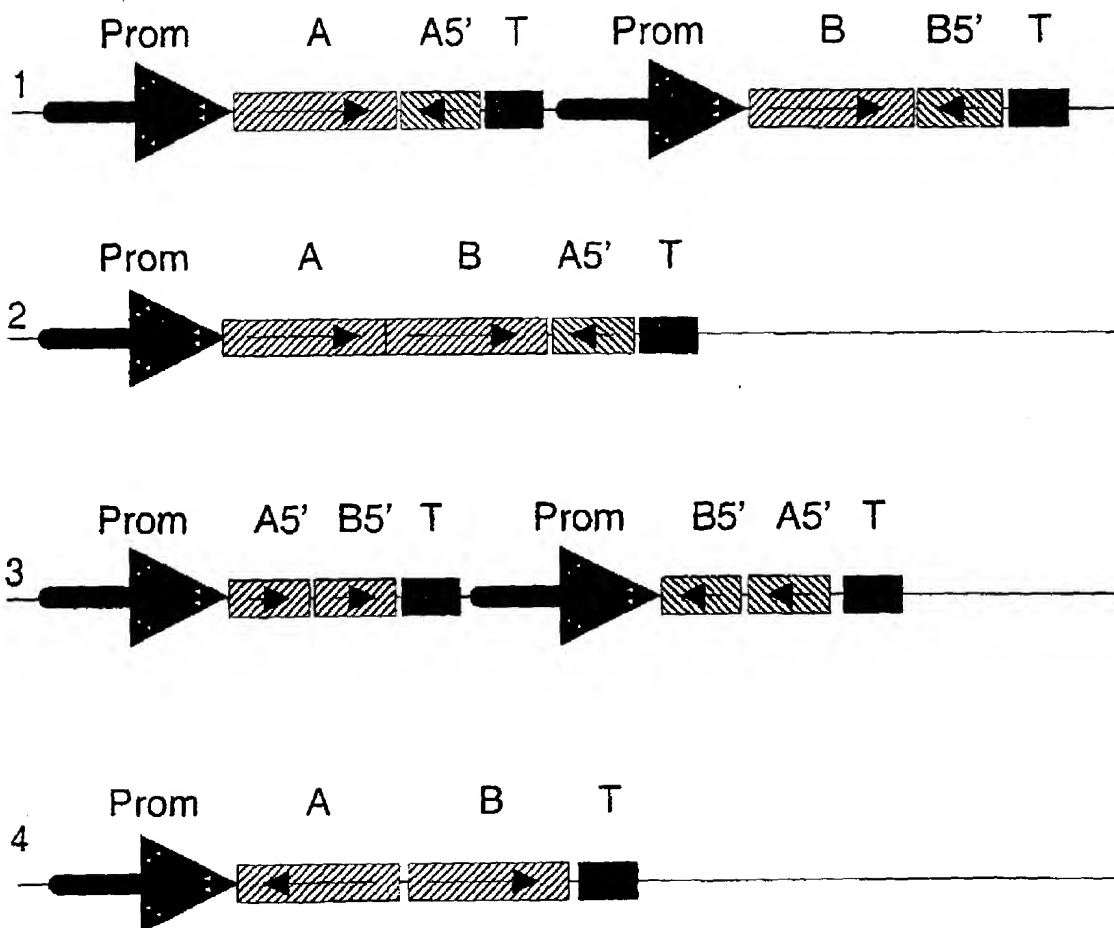
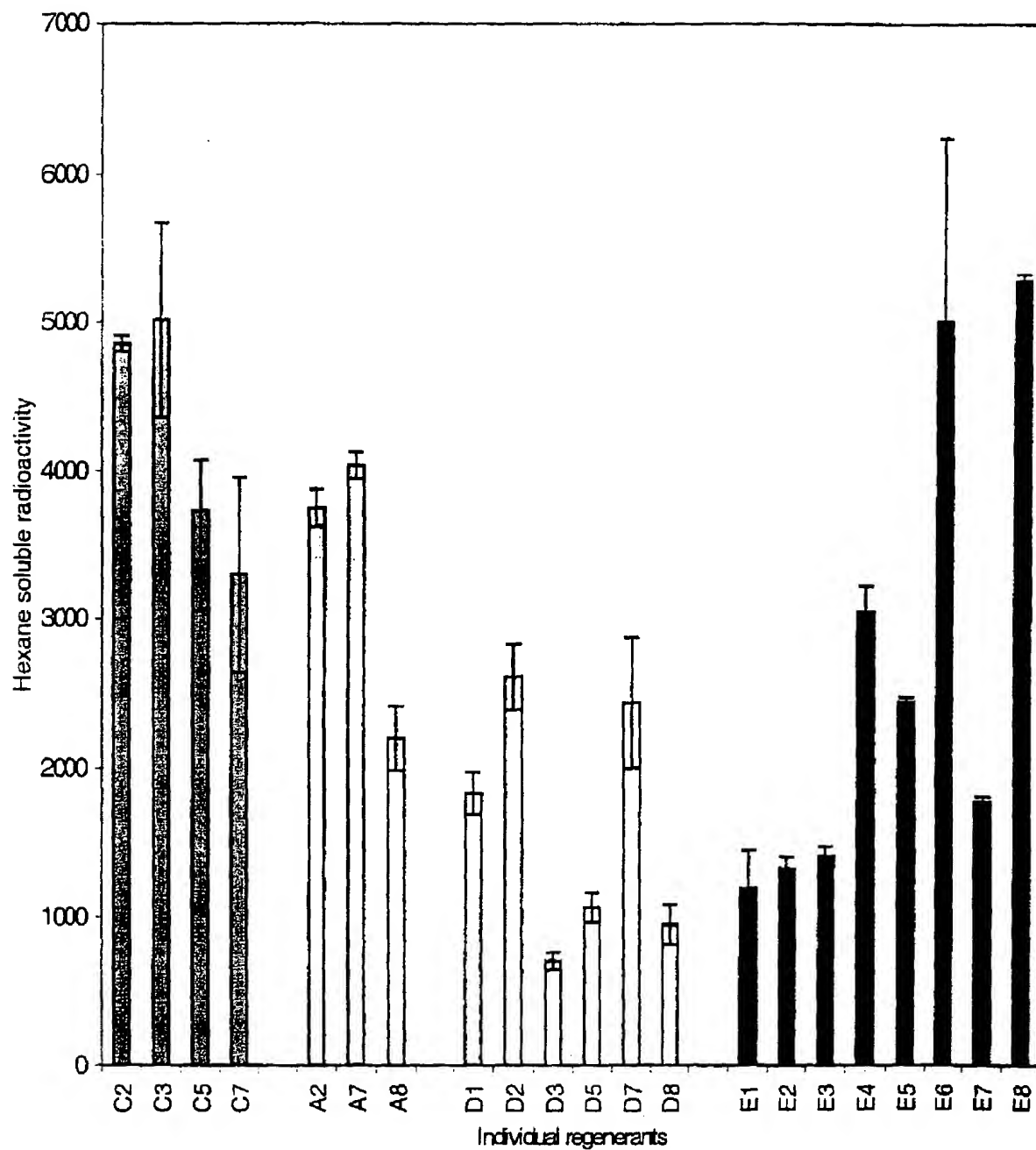


Figure 11



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Figure 12



added: 40995663

Figure 13

A	-----ATCAAACTT-AGCTATATCCTT-----TCACCTT-----CAAGA-----AAT	36
B	GTTCATTAAAGATCATCCA-ATCCGAAAAATGGCTCTCGTTAGAAACAACAGCAGCAAT	59
	** *** * * * * *	
	** *** * * * * *	
	** *** * * * * *	
	** *** * * * * *	
A	GGCAG-----CAGTT-----GAAGCCA-ACGGTACCTTCCAAGC--AAACA----	74
B	GGTCGGGAGCCAGTTCTCAGCCCCAGAAAGTCTCAAAAGTCCT-CGAGGCTTAACCAAGCCC	118
	** * *	

A	-----CCAAA--ACCACAGAGCCGGTGGTCCTTTAGCCAACTTCCCCTCC	117
B	CCGACCGTTGTCTGTCTCCAAACCGACTCCAGAGCCGGTTCGACCTTTGGCCAACTTCCCACC	178

A	TTCTGTATGGGTGATCGATTCTTTGTCTCTCTCTTGACACTACGGAATTGGAAGGATA	177
B	TTCCGATCTGGGTGATCGCTTCACTCTCTCTCTCTTGATAACTCTCAATTGGAAGCTTA	238
	*** * *	

A	TGCAAAAGCTATGGAGGAGCCAAAAGAAGAGTGAGAAACTGATCGTAGATCCAAACAAT	237
B	TGCAAAATGCACCTTGAAGAACCCAAAAGAAGCAGTGAAGAGTTAAATAACCGACACTACCAT	298

A	GGATTCAAATAAGAAACTAAGTTTGATTATTCTGTACACCGTCTTGGTTTGACATATCT	297
B	TGATGCAAAACACAAAACCTGAATAATTGATTATTCTAGTGCACCGTCTTGGTTTGTCTGTATCT	358
	*** **** *	

A	GT-TCTTTGCAAGAGATTGAAGCGCAGCTTGACAAACTATTAAAGAGTTAACTTGC AAG	356
B	TTATCCAG-ATGAGATTGATGCCGAACCTCAACAACTCTTCGAGAGAAGATTGACTTACAGT	417
	* ** * *	

A	ATTATGATGAGTTTGATCTATACACAACTTCTATTAACTTTCAGACACCTTG	416
B	ATTACGAACAAGTTGATTGTACACTATTGCAGTACAAATTTCAGAGTTTTCAGACACCATG	477
	*** ** *	

Figure 13 (continued)

[illegible]

A	ACTTTGAGCCTCGTTACTCCTTGGCACGAATCATCGCCACAAAAATTACATTGTTCCCTCG	956
B	ATTTGAGCCGTATTACTCTCGGCACGTATCATAGCCACTAAAAATCACGTTGTTCTTGG	1017
	* * * * *	*
A	TGGTTC TAGATGACACATATGATGCATACGCTACCATTTGAAGAGATTCGACTTCTGACTG	1016
B	TGGTTTTGGACGATACATATGACCGGTATGCTACAATTGACGAGATCCGATCGATCACAG	1077
	*****	*****
A	ATGCCATAAACAGGTGGGACATCAGTGCTATGGAGCAAATTCGGGAATATATTCGACCAT	1076
B	ATGCGATTAAATAGGTGGGAAATTAGCGCGATCGACCAACTTCCCTGAATATATCAAAACCGT	1137
	*****	*****
A	TCTACAAAATTCTCCTAGATGAGTATGCTGAACTTGAGAAAGCAACTAGCTAAAGAAGGAA	1136
B	TCTACAGAAATTCTCCTCAACGGAATTATGATGACCTCGAGAAAGAAATACTCAAAGGACGGAA	1197
	*****	*****
A	GAGCAAAAAGTGTTATTGCTTCAAAAGAAAGCGTTCCAGGACATTGCAAGAGGATACCTTG	1196
B	GAGCGTTCAGTGTCACCGCTTCAAAACAAAGCGTTTCAAGAAATCGCGAGAGGGTATCTTG	1257
	*****	*****
A	AAGAGGCCGAGTGGACAAACACAGTGGATACGTGGCATCATTTCCAGAGTATATGAAGAACG	1256
B	AAGAGGCCGAGTGGTTACACAAACGGTTATGTGGCAACATTTCCCGAGTATATGAAGAATG	1317
	*****	*****
A	GTTTAATTACTTCTGCTTACAATGTATTTCAAAATCTGCTTTAGTGGGTATGGGCGAGA	1316
B	GTTTGAATTACTTCGGCTTATAATGTTCATTTCAAAATCCGCATTTGTTGGGAATGGGTCCGA	1377
	*****	*****
A	TGGTTGGTGAAAGATGCCCTTGGCTTGGTATGAAAAGTCAATCCAAAACATTCGAAGCTTCAG	1376
B	TTGCAGATGAAGAGGCTCTTGCCTTGGTATGAAAACACATCCGAAAATTTTGAAAGCTTCAG	1437
	* * *	*****

Figure 13 (continued)

A	AGTTAAATTCAAGACTCCAAGATGATGTGATGACTTACCAGTTTGAGCGGAGAAAGGGAC	1436
B	AGTTGATTTCAGGGCTCCAAGACGATGTTATGACTTTCAGTTTGAGAGAAAACGAGGAC	1497

A	AATCAGCCACCGCGTTGATTCCTTATATCAAGACCTATGGCGTAACAGAAAAGGAAGCGA	1496
B	AATCAGCAACTGGTGTGGATGCTTATATCAAGGAATACAATGTATCCGAAGAAGTAGCGA	1557

A	TTGACGAGCTAAACAAATGATTGAAATAATGCATGGAAAGGATATAAATGAGGGCTGCCCTTA	1556
B	TCAAAAGAGCTCATGAAGATGATTGAAAACGCATGGAAAAGATATAAATGAGGGATGCTTGA	1617

A	AGCCAAGAGAAGTC'CAATGGATTTGCTTGCCCAATCTTAATCTTGCACGAATGATAG	1616
B	AGCCCACACTGAGGTC'TCGGTGGCTCTACTAACTCCTATTTTGAATCTCGCGAGAATGATAG	1677

A	ATGTGGTATACAGGTACGACGATGGGTTCACTTTTCCGGGAAAGACCATGAAAAGAGTATA	1676
B	ATGTCGTATACAAAATT'CGATGATGGATTCACTTTCACCTTTC'CGGAAACCCCTAAAAGACTATA	1737

A	TTACTCTGTTGTTTGTGGTTCTTCACCCA-----TGTAATA----	1713
B	TTACCCCTTTTGTTCGTTAGTCCTCCACCGAGTCTCGAAAACTGATAGGT'TGTAATATAAG	1797

A	-----ATA-----ATTTT--TATTTTCAT-----ATGTTT-----	1735
B	CATCATATTTTCTCGGAATTTTTCGCTTTTTCATGTTGCGTATGTTTGGGACTTTCGCTCAA	1857

A	-----TGTGAGATTCTTTTGACATTCTATTTGTATAATCTTCTTTTGTTCAAAATAAAAAGTT	1917

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Figure 13 (continued)

A -----AAAAAAAAAAAAAAAA-- 1755
B TCTTCTTATGGACTAAAAAAAAAAAAAAAA 1953

Figure 14

```

A MALVRNNSNGREPVLSPRSLTSPRGLTSPRPLSVQPTPEPVRPLANFPSPSIWADRFISF 60
B MAAVEAN-----GTFQAN---TKTTEPVRPLANFPSPVWGDRFLSF 38
  ** * *
  * . . .
  * . . .

A SLDNSQLEAYANALEEPKEAVKSLITDITIDANTKKLIYSVHRLGLSYLPDEIDAELN 120
B SLDTTELEGYAKAMEEPKEVRKLIIVDPTMDSNKKLSLIYSVHRLGLTYLFLQEIQAOLD 98
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:

A KLFKIDLQYEQVDLYTIAVQFQVFRHHGYKISSDVFKKFKDSTTGFTDDVTKDVKGM 180
B KLFKEFNLDYDEFDLYTTSINFQVFRHLGHKLPCDVFNKFKDSSSGTFKESITNDVKGM 158
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:

A LSLYESAHLRLHGEDIIDEALAFTEAHLKKILTLEGLARQVNVQLKRPFHTGMPMVEA 240
B LGLYESAQLRLRGEPILDEASAFTEQQLKSVVNTLEGNLAKQVMQSLRRPFHQGMPMVEA 218
  * . . . ***:***:***:***:***:***:***:***:***:***:***:***:***:
  * . . . ***:***:***:***:***:***:***:***:***:***:***:***:***:

A RLYFTTHEEDFSSHESVVKLAKVHFNLYLQLOQKEELRLVSQWKKDMQFQQSVPIYRDRVP 300
B RMYFSNYDEECSTHESLPKLAHLHFNLYLQLOQKEELRIVSKWKKDMRFQETTPYIRDRVP 278
  * . . . ***:***:***:***:***:***:***:***:***:***:***:***:***:
  * . . . ***:***:***:***:***:***:***:***:***:***:***:***:***:

A EIYLVILGLYFEPYYSRARI IATKITLFLVVLDDTYDAYATIDEIRSITDAINRWEISAI 360
B EIYLVILGLYFEPYYSRARI IATKITLFLVVLDDTYDAYATIEEIRLLTDAINRWDISAM 338
  ***** ** *****:***:***:***:***:***:***:***:***:***:
  *****:***:***:***:***:***:***:***:***:***:***:***:***:

A DQPEYIKPFYRILLNEYDDLEKEYSKDGRAFSVHASKQAFQEIARGYLEEAEWLHNGYV 420
B EQIPEYIRPFYKILLDEYAELEKQLAKEGRAKSVIASKEAFQDIARGYLEEAEWTNSGYV 398
  * . . . ***:***:***:***:***:***:***:***:***:***:***:***:***:
  * . . . ***:***:***:***:***:***:***:***:***:***:***:***:***:

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Figure 14 (continued)

```

A  ATFPEYMKNGLITSAYNVISKSALVGMGAIADDEALAWYETHPKILKASELISRLQDDVM 480
B  ASFPEYMKNGLITSAYNVISKSALVGMGEMVGEDALAWYESHPKTLQASELISRLQDDVM 458
   *;***** :...;*****;*** *;*****
A  TFQFERKRGQSATGVDAYIKEYNVSEEVAIKELMKMIENAWKDINEGCLKPTEVSVALLT 540
B  TYQFERERGCQSATGVDSYIKTYGVTEKEAIDELNKMIEENAWKDDINEGCLKPREVSMDDLLA 518
   *;*****;*** *;...;*** *;*****;***; **;
A  PILNLARMIDVVYKFDDGFTFPGKTLKDYITLLFVSPPPSLEN 583
B  PILNLARMIDVVYRYDDGFTFPGKTMKEYITLLFVGSSPM--- 558
   *****;*****;...;*****

```